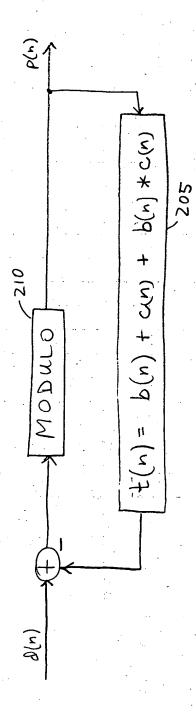
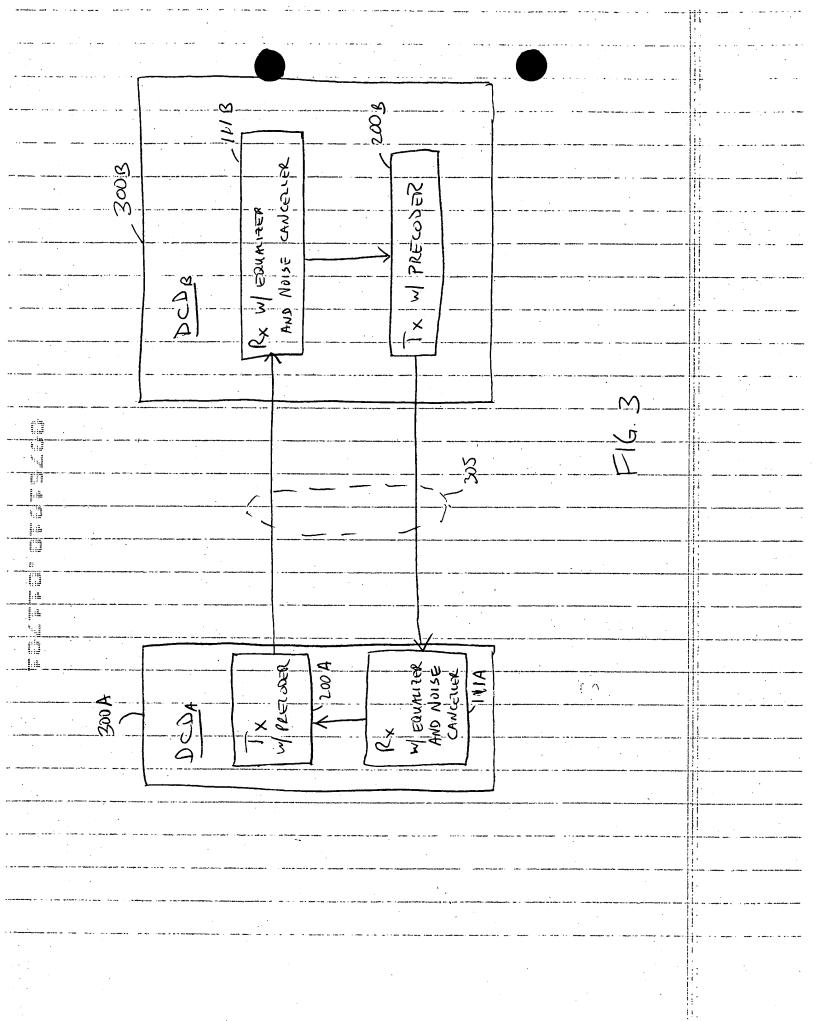
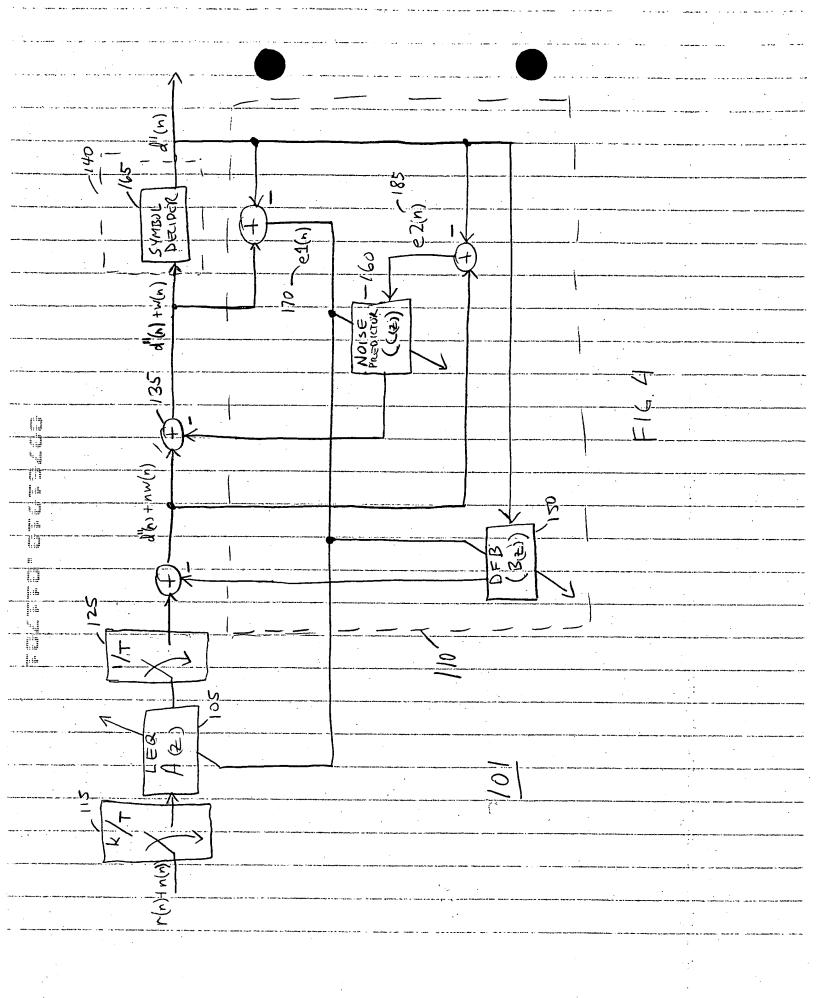
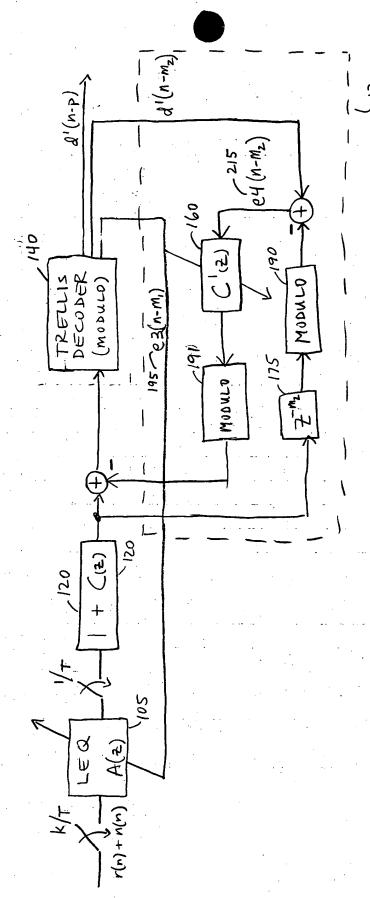


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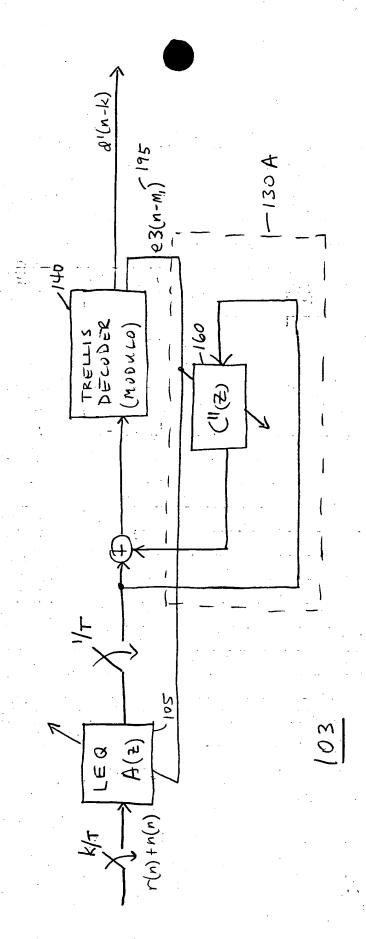




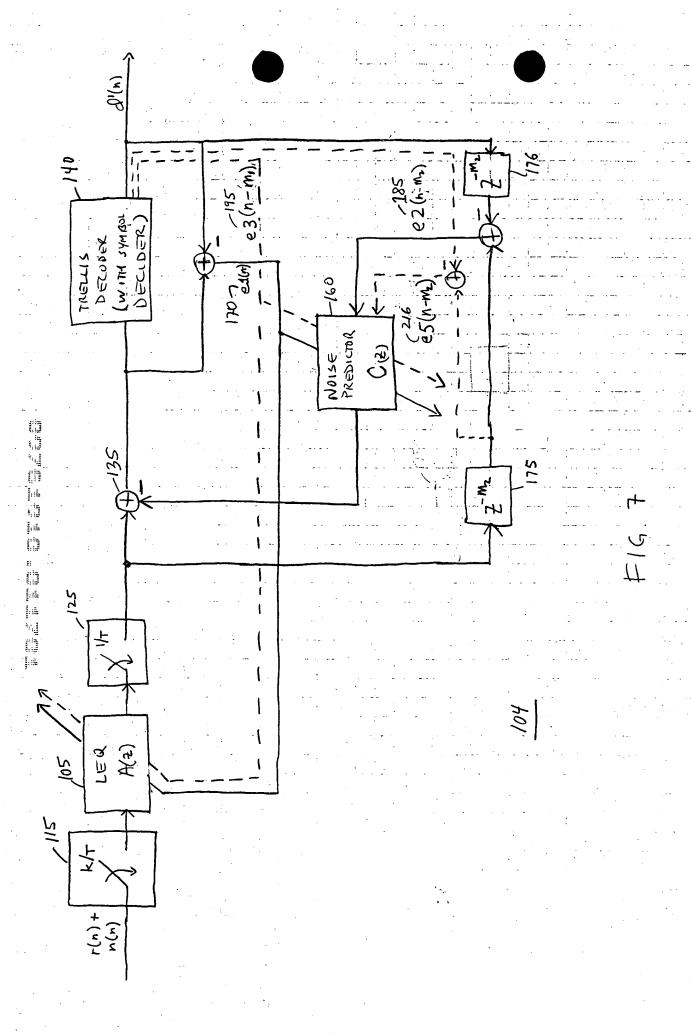


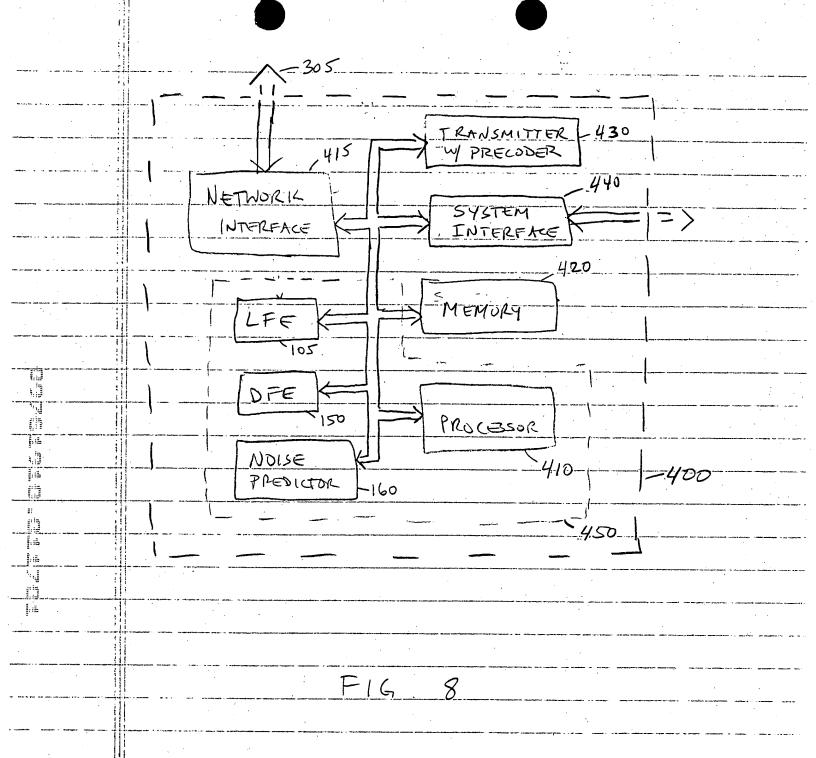


F19. S



下6





RECEIVE TRAINING SIGNAL ) 500 START: HAVING NOISE AND ISI

F16,9

DETERMINE A PLURALITY OF LINEAR FOEDFORWARD EQUALIZATION COEFFICIENTS a(n), WILLIZING A KIT SAMPLE PATE AND ADAPTING TO A FIRST TRAINING ERROR SIGNAL (FOR PRE-CURSON GOUNLI EATION AND IST REDUCTION)

MO PREZODING TO BE UTILIZED > > 510

515

DETERMINE A PLURALITY OF DELLGION FEEDBACK EQUALIZATION (DEFFICIENTS b(n), WTILIZING A ILT SAMPLE RATE, AND ADMITTING TO THE FIRST MAINING ERROR SIGNAL (FUR POST-CURSOR GOUALIZATION AND EST REDUCTION).

DETERMINE A PLURALITY OF CONCELATED NOISE RESULTION COEFFICIENTS C(N), WTILIZING A IT SAMPLE RATE, HAVING AN INPUT OF A SECOND TRAINING ERRUR SIGNAL AND ADAPTING TO THE FIRST TRAINING FRANK SIGNAL FOR CORKELATED NOISE REDUCTION.

TRAINING PERIOD COMPLETE? NO 525

PRECODING TO BE UTILIZED? YE

535

520

DETERMINE A PLURALITY COEFFICIENTS t(n) FOR PREZODING WITH E(n) = b(n) + c(n) + b(n) \* c(n) And FOR BERK 10-7, REJET CUEFFICIENTS c(n) to zero

RECEIVE AND TRECIS DECODE TRANSMITTED DATA - 540

DETERMINE AND SELECT A TREME PATH HAVING A SMALLEST CUMULATIVE ERROR

DETERMINE A BRANCH ERION (METRIC), ASSOCIATED WITH A SELECTED PREVIOUS STATE OF THE SELECTED TRELLIS PATH, TO FORM A TRELLIS ERROR SIGNAL.

UPDATE LINEAR FEEDFORNARD EQUALIZATION COEFFICIENTS (a)n WITH ADAPTATION TO THE TREWS ERROR SIGNM

-233

-560

WPDATE CORRELATED NOISE REDUCTION COEFFICIENTS C(N) WITH APAPTATION TO THE TRELLIS ERROR SIGNAL AND WITH INPUT OF A TENTATIVE ERICOR SIGNAL, THE TENTATIVE ERROIZ SIGNAL FORMED AS A DIFFERENCE BETWEEN A TENNATIVE SYMBOL DECISION (&'(N-MZ)) AND THE REZERVED DATA SIGNAL SUBSEQUENT TO EQUALIZATION (AND FILTERING).

NO COMMUNICATION SESSION COMPLETED? > 565

RETURN 570

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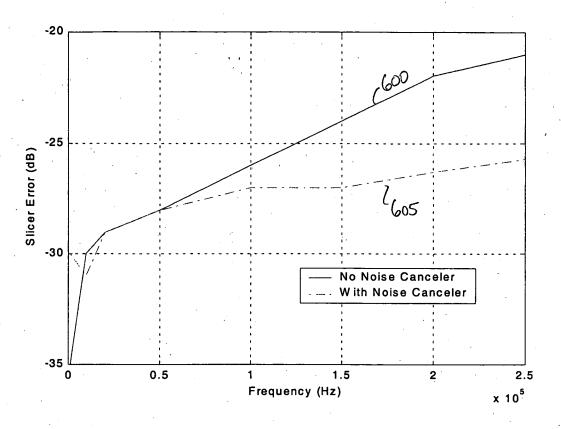


Figure 10

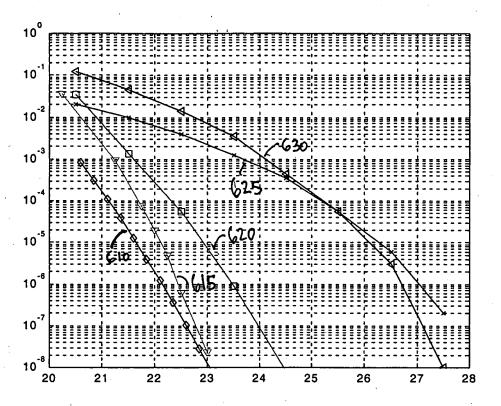


Figure 11

		20 ,735
	Crosstalk Environment	Correlation Canceller Improved Performance Margin(dB)
700 /	24T1+24 HDSL2 (C)	1.4
705	39 HDSL2 (C)	1.5
710 -	24 ADSL+24 HDSL(C)	1.8
715	24 T1+24 HDSL2 (R)	1.4

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Figure 12